

F-9043

**AMENDMENTS TO THE CLAIMS:**

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. - 25. (Canceled)

26. (New) A plane element for floors comprising

a multilayer plate having a top face and a bottom face, the multilayer plate comprising

a thin pressure and abrasion resistant panel having a top face to be exposed as the top face of the plane element upon installation of the plane element and a bottom face, and

a layer of pressure resistant lightweight material having a top face adhered to the panel bottom face and a bottom face, the layer of pressure resistant lightweight material comprising polypropylene,

and wherein grooves are situated in vertical edges of the plate beneath the panel, the grooves having a depthwise dimension vertical to said faces, each of the grooves being adapted to receive a connecting element comprising ledges adapted to be received in the grooves of adjacent said plane elements for connecting said adjacent plane elements together when said plane elements are side-by-side on a flat surface.

F-9043

27. (New) The plane element according to claim 26, wherein the respective grooves are of lesser length than the respective edges at which the grooves are formed and do not extend to corners of the plate, whereby the panel and the lightweight material layer are substantially flush apart from any irregularities in the edges.

28. (New) The plane element according to claim 26, wherein furrows are formed in the bottom face of the lightweight material layer.

29. (New) The plane element according to claim 26, wherein furrows are formed in the top face of the lightweight material layer.

30. (New) The plane element according to claim 26, wherein furrows are formed in both faces of the lightweight material.

31. (New) The plane element according to claim 28, 29 or 30, wherein the furrows extend in two orthogonal directions.

32. (New) The plane element according to claim 26 or 27, wherein furrows are formed in at least one of the faces of the lightweight material layer and have a depth of 1mm to 10mm.

F-9043

33. (New) The plane element according to claim 26 or 27, wherein vertical openings are formed through the lightweight material layer.

34. (New) The plane element according to claim 31, wherein vertical openings are formed through the lightweight materials, and at least one of said openings is located at where two of said grooves extending in orthogonal directions would otherwise intersect.

35. (New) The plane element according to claim 26, further comprising a planar reinforcing material situated between and coextensive with and adhered to at least respective portions of the bottom face of the panel and the top face of the lightweight material, the planar reinforcing material being highly stable and being of lesser thicknesses and higher Young's modulus than the panel.

36. (New) The plane element according to claim 35, wherein the planar reinforcing material is comprised of at least one of CFRP, CFRP fabric, glass fibers or metal.

37. (New) The planar element according to claim 35 or 36, wherein the reinforcing material is received in the lightweight material layer.

F-9043

38. (New) The planar element according to claim 37, wherein  
slits or grooves spaced from said edges of the lightweight material layer  
for receiving the lightweight material layer are formed in the lightweight material  
layer, the reinforcing material is in the form of strips and the strips are received in  
the reinforcing material- receiving slits or grooves.

39. (New) The plane element according to claim 26 or 27,  
wherein the plane element is quadrilateral, is of thickness 10 to 20mm and  
has edges of length 300 to 500 mm.

40. (New) A flooring kit, comprising  
a plurality of plane elements according to claim 26 or 27, and  
a plurality of connecting elements comprising ledges adapted to be  
received in the grooves of adjacent said plane elements for connecting said  
adjacent plane elements together when said plane elements are side-by side on a  
flat surface.

41. (New) The flooring kit according to claim 40, wherein  
each said connecting element comprises a vertical blade of a height  
predetermined so that a top edge of the vertical blade will be substantially flush  
with the top face of the panel upon installation of the flooring and two horizontal

F-9043

blades on opposite sides of the vertical blade, the two vertical blades comprising said ledges and being of width slightly smaller than width of the grooves.

42. (New) The flooring kit according to claim 41, further comprising liner elements for the grooves, the liner elements being comprised of a material different from the lightweight material and being received in the grooves.

43. (New) The flooring kit according to claim 41, wherein the top edge is covered by a decorative material.

44. (New) The flooring kit according to claim 41, wherein portions of the horizontal blades are of greater thickness than the remainder of the horizontal blades for firmer engagement in the grooves.

45. (New) The flooring kit according to claim 41, wherein the ledges are so configured as to form a miter at upper edges thereof when the respective ledges meet at the cross-over of plates joined in two horizontal directions.

46. (New) The plane element according to claim 28, 29 or 30, wherein

F-9043

the furrows are spaced from the grooves and/or edges of the lightweight material layer.

47. (New) The plane element according to claim 28, 29 or 30, wherein the furrows impinge on the grooves and/or edges of the lightweight material layer.

48. (New) The plane element according to claim 26 or 27, further comprising additional layers between the panel and the lightweight material layer.

49. (New) The plane element according to claims 26 or 27, further comprising at least one additional layer adjacent the bottom face of the lightweight material layer.

50. (New) The plane element according to claim 49, further comprising fleece on the bottom face of the lightweight material layer as glue primer, and an application of glue on the primer,

F-9043

wherein the at least one additional layer is adhered by means of the glue-bearing primer to the bottom face of the lightweight layer material.

51. (New) The plane element according to claim 26 or 27, wherein the plate is comprised of at least one of natural stone, glass, wood or metal.

52. (New) The plane element according to claim 26 or 27, wherein the plate is comprised of natural stone.